INTERNATIONAL SEARCH REPORT

International Application No

			1-61/11/200	7,002550						
A. CLASSIFICATION OF SUBJECT MATTER IPC 7 F15B21/04 F16K21/02										
According to international Patent Classification (IPC) or to both national classification and IPC										
B. FIELDS SEARCHED										
Minimum documentation searched (classification system followed by classification symbols) IPC 7 F15B F16K										
Documentat	ion searched other than minimum documentation to the extent that ${f s}$	such documents are inclu	ded in the fields s	earched						
Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal										
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT		-							
Category *	Citation of document, with indication, where appropriate, of the relation	evant passages		Relevant to claim No.						
Х	DE 32 05 411 A (DANFOSS AS) 25 August 1983 (1983-08-25) page 8, paragraph 3; figure 2	1-3,5								
X	FR 1 562 715 A (CATERPILLAR TRACT 4 April 1969 (1969-04-04) page 24, paragraph 2; figure 13	1–4								
X .	EP 0 056 230 A (HITACHI CONSTRUCT MACHINERY) 21 July 1982 (1982-07- page 8, line 7 - page 8, line 14;	-21)		1						
Further documents are listed in the continuation of box C. X Patent family members are listed in annex.										
*Yourset of clied documents: "A' document defining the general state of the art which is not considered to be of particular relevance "E' earlier document but published on or after the international filing date "L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O' document referring to an oral disclosure, use, exhibition or other means "P' document published after the international filing date or priority date and not in conflict with the application but clied to understand the principle or theory underlying the invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone volument referring to an oral disclosure, use, exhibition or other means "P' document published after the international filing date or priority date and not in conflict with the application but clied to understand the principle or theory underlying the invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone volument is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "Billing date or priority date and not in conflict with the application but clied to understand the principle or theory underlying the invention cannot be considered novel or cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone volument is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "Billing date out of the international filing date but alone volument published after the international filing date or priority date and not in conflict with the application date of the trivention.										
Date of the actual completion of the international search Date of mailing of the international search report										
	4 January 2005	005								
иате апо п	nalling address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Toffolo	, 0							

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No FR2004/002550

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
DE 3205411	Α	25-08-1983	DE DK	3205411 A1 41383 A ,B,	25-08-1983 17-08-1983
FR 1562715	А	04-04-1969	BE CH DE DE ES GB GB JP JP US US	715211 A 472607 A 1725040 B1 1725041 B1 1750554 A1 353915 A1 1237561 A 1237562 A 1237563 A 1237564 A 49035657 B 51011269 B 51011270 B 3477225 A 3526245 A 3526288 A 3528243 A	18-11-1968 15-05-1969 19-06-1980 21-02-1980 25-02-1971 01-02-1970 30-06-1971 30-06-1971 30-06-1971 25-09-1974 09-04-1976 09-04-1976 11-11-1969 01-09-1970 01-09-1970
EP 0056230	A	21-07-1982	JP JP JP DE EP KR US	1425727 C 57116913 A 62033442 B 3272226 D1 0056230 A1 8501255 B1 4520626 A	15-02-1988 21-07-1982 21-07-1987 04-09-1986 21-07-1982 26-08-1985 04-06-1985